

BCH STANDING S. SIDE  
CONSUMING BRANCH FOR  
3 POLES BELOW FORKS

9844

N78°00'W  
1570'

STAKE NORTH OF COAL BANK SMALL  
BIRCH & POP. WIT. OLD MARKS 100'  
NORTH OF MORRIS CREEK

81° 18' 55"  
38° 27' 30"

2.913  
3.54W  
8

QUEEN LAND COMPANY

KING LAND COMPANY

MORRIS CREEK  
N28°00'W  
2451'

OBIS 7.5' loc 15'  
38° 27' 30" 01s 2.89s  
81° 17' 30" 126a 3.52a

- BENCH MARK DESCRIPTION -  
U.S. GOVT. U.E. "D" CUT IN TOP  
OF LG. ROCK 145' WEST OF MORRIS  
CREEK RD. 40' NORTH OF SMALL BR.  
ELEV. 801.00'

STAKE IN FIELD 70' EAST  
OF ROAD LG. ELM BEARS  
583° 30' W - 69'

STAKE 15' NORTH OF B.O. WIT.

- Fracture Before 6/5/29
- New Location
- Drill Deeper
- Redrill
- Abandonment

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by Paragraph 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia.

The accuracy of this survey is within the limits and as prescribed in Paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.

**COLUMBIA GAS TRANSMISSION CORP.**  
Company

Address CHARLESTON, W. VA.

Farm KING LAND CO.

Tract \_\_\_\_\_ Acres 5245 Lease No. 4592

Well (Farm) No. \_\_\_\_\_ Serial No. 9844

Elevation (Spirit Level) 985.54 NE

Quadrangle CLENDENIN, W. VA.

County KANAWHA District BIG SANDY

Engineer William E. [Signature]

Engineer's Registration No. 2350

File No. 78-65 Drawing No. \_\_\_\_\_

Date 9-5-73 Scale 1" = 400'

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION  
CHARLESTON

WELL LOCATION MAP  
FILE NO. Ken-2667

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing. 77-554



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle Clendenin  
Permit No. MAN - 2667

WELL RECORD

Oil or Gas Well

Gas  
(P1117)

Company	Columbia Gas Transmission Corporation	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address	Charleston, W. Va.	Size			
Farm	King Land Company	Acres			
Location (waters)	Morris Creek	16			Kind of Packer
Well No.	98111	13	32'	32'	
District	Big Sandy	10 9"	471'	471'	Size of
County	Kanawha	8 1/4			
The surface of tract is owned in fee by		6 5/8 7"	2048'	2048'	Depth set
Mineral rights are owned by		5 3/16			
Drilling commenced	12-1, 73	4 1/2			Perf. top
Drilling completed	12-7-73	3			Perf. bottom
Date Shot	3-28-74	2			Perf. top
With	12000# Liquid	Liners Used			Perf. bottom

Open Flow /10ths Water in \_\_\_\_\_ Inch

Volume Show \_\_\_\_\_ Cu. Ft.

Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.

Oil \_\_\_\_\_ bbls., 1st 24 hrs.

WELL ACIDIZED (DETAILS)

Shot 12000# Liquid

WELL ~~FRACURED~~ (DETAILS)

Attach copy of cementing record.			
CASING CEMENTED	SIZE	No. Ft.	Date
Amount of cement used (bags)			
Name of Service Co.			
COAL WAS ENCOUNTERED AT		FEEET	INCHES
		FEEET	INCHES
		FEEET	INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 168 Mcf

ROCK PRESSURE AFTER TREATMENT 380 HOURS

Fresh Water \_\_\_\_\_ Feet

Producing Sand Devonian Shale Depth 5129

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0	10			
Hard Clay			10	25			
Slate			25	210			
R. Rock			210	300			
Sand			300	500			
Coal			500	600			
Shale			600	800			
Sand			800	1000			
Shale			1000	1200			
Slate			1200	1500			
Shale			1500	1700			
Shale			1700	1750			
Maxon			1750	1800			
L. Lime			1800	1900			
Sandy			1900	2000			
Big Lime			2000	2150			
Injun			2150	2200			
Weir			2200	2275			
Shale			2275	2300			
D. Shale	<u>Devonian shale</u>		2300	5129			
T. Depth				5129			

Top Onondaga @ 5432 - log pick (PPC)

5436-logger TD



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

OCT 5 1973

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.

DATE October 3, 1973

Surface Owner King Land Company

Company Columbia Gas Transmission Corp.

Address Kanawha Valley Bank, Trustee for

Address P. O. Box 1273, Chas., W. Va. 25325

Mineral Owner Marion S. Swartz, et al

Farm King Land Company Acres 5245

Address P. O. Box 1793, Chas., W. Va. 25326

Location (waters) Morris Creek

Coal Owner Same as above

Well No. 9844 Elevation 985.54'

Address \_\_\_\_\_

District Big Sandy County Kanawha

Coal Operator Not operated

Quadrangle Clendenin

Address \_\_\_\_\_

INSPECTOR TO BE NOTIFIED Mr. Fred Burdette  
Box 190 PH: 984-9263

Cicerone Route  
Sissonville, W. Va. 25185

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 2-9-74.

Robert J. Ford  
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated April 25 1919 by The King Land Company made to Col. Gas Trans. Corp. and recorded on the 6th day of May 1919, in Kanawha County, Book 36 Page 294

NEW WELL  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  
 OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. \*

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address 3rd day October before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours, Columbia Gas Transmission Corp.

(Sign Name) [Signature]  
Well Operator  
Director, Exploration and Development

P. O. Box 1273  
Street

Address of Well Operator Charleston  
City or Town

West Virginia 25325  
State

\*SECTION 3 . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

\_\_\_\_\_ KAN-2667 \_\_\_\_\_ PERMIT NUMBER

THIS IS AN ESTIMATE ONLY  
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO  DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME \_\_\_\_\_ NAME W. H. Chapman \_\_\_\_\_  
 ADDRESS \_\_\_\_\_ ADDRESS P. O. Box 610, Clendenin, W. Va. 25045 \_\_\_\_\_  
 TELEPHONE \_\_\_\_\_ TELEPHONE (304) 965-3317 \_\_\_\_\_  
 ESTIMATED DEPTH OF COMPLETED WELL: 5380' ROTARY  CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Devonian Shale  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS  COMB. \_\_\_\_\_ STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - <del>XX</del> 3/8	30'	30'	Surface
9 - 5/8	550'	550'	Surface
8 - 5/8			
7	2,050'	2,050'	300'
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS \_\_\_\_\_ FEET \_\_\_\_\_ SALT WATER  FEET 310  
 APPROXIMATE COAL DEPTHS 208', 467'  
 IS COAL BEING MINED IN THE AREA? No BY WHOM? \_\_\_\_\_

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for \_\_\_\_\_ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the \_\_\_\_\_ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

\_\_\_\_\_  
 For Coal Company

\_\_\_\_\_  
 Official Title